nesia, zirconia, tungsten, molybdenum and stainless steel.

- 5. A process for preparing a composite implant material according to claim 1, comprising forming a sintered apatite material, perforating the sintered apatite mate- 5 rial to form holes in a desired configuration therein, and filling or impregnating a thermoplastic or thermosetting resin into said holes.
- 6. A process according to claim 5, wherein said sin-
- 7. A process according to claim 5, wherein said thermoplastic or thermosetting resin is selected from the

group consisting of polyethylene, polypropylene, polymethyl methacrylate, polyurethane, polyester, acrylonitrile-butadiene-styrene resins, fluorocarbons, polyamides, polyacetals, polycarbonate, polysulfone, epoxy resins, silicone resins, diallyl phthalate resins and furan resins.

8. A process according to claim 5, wherein said sintered apatite material is perforated by mechanical perfotered apatite material is formed using hydroxyapatite. 10 ration or chemical treatment, or by perforation by means of ultrasonic wave, laser or water jet.

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